

Yorkshire Dales National Park

Forecast valid from 06:00 on Tuesday 02 Feb 2021 until 23:59 on Wednesday 03 Feb 2021

Forecast Issued on Tuesday 02 Feb 2021 at 00:44

Confidence: High confidence in the forecast for the Tuesday and Wednesday although snow amounts may vary on the hills however decreasing confidence from Thursday, please continue to follow for updates.

Headline for Tuesday 02 Feb 2021: Heavy and persistent snowfall on the dales with strong winds on the tops, blizzards are possible.

Mountain weather hazards on Tuesday 02 Feb 2021

Blizzards

High Likelihood

Gales

Medium Likelihood

Thunderstorms

No Likelihood

Heavy Snow

High Likelihood

Severe chill effect

Medium Likelihood

Heavy persistent rain

Low Likelihood

Storm force winds

No Likelihood

Poor visibility

High Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Heavy snow	Heavy snow	Heavy snow	Heavy snow	Heavy snow	Heavy snow
Precipitation probability					
40%	80%	80%	60%	60%	60%

Forecast for Tuesday 02 Feb 2021

Weather: Although it will be dry in the early hours a band of rain, sleet and snow will move east across the Yorkshire Dales in the morning. This will initially fall as snow at all levels then mainly above 200m but turning increasingly to rain and sleet at lower level during the afternoon as freezing level rises. Strong winds will accompany the snow likely giving blizzards on the tops and with a significant wind chill. Snow gradually becoming more confined to the higher summits in the evening, with outbreaks of rain at lower levels.

Chance of cloud free mountain/hill tops above 600m: 10% or less, with significant snow and sleet expected for most of the day it is likely that the tops will be covered in cloud from above 200m. The poorest conditions on eastern slopes.

Visibility: Visibility will be poor or very poor for much of the morning in snow/sleet, during heavier snowfall it will become very poor or even whiteout conditions from time to time. Low cloud will shroud the fells for much of the day with tricky navigation likely. Little significant improvement is likely through daylight hours.

Forecast for Tuesday 02 Feb 2021

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	24/34 E	22/34 E	16/24 E	14/22 E	17/28 E	16/24 E	14/21 E
300	19/37 E	18/35 E	15/28 E	12/24 E	14/27 E	12/26 E	10/21 E
Valley	18/40 E	20/41 E	16/31 E	13/27 E	17/33 E	16/33 E	13/28 E

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-3/-11	-2/-10	-2/-9	-1/-7	-1/-7	-0/-6	-0/-6
300	-1/-8	-1/-7	0/-6	0/-4	1/-4	1/-4	1/-3
Valley	0/-6	1/-6	2/-4	2/-3	2/-3	3/-2	4/-0
Freezing Level*	100m	200m	300m	400m	500m	600m	600m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Strong winds will cause blizzard/whiteout conditions on the tops at times with a significant wind-chill likely, note the freezing level rising gradually later.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Tue 02 Feb 2021	1mm	1mm	1mm

Forecast for Wednesday 03 Feb 2021

Weather: Further outbreaks of rain and sleet with freezing level likely to be just above summits. Poorest conditions still in the east of the Yorkshire Dales with a few drier spells possible in the west.

Maximum wind: Southeasterly 15-20mph.

Chance of cloud free mountain/hill tops above 600m: 10-40% there will be extensive periods of low cloud shrouding the tops in outbreaks of rain and sleet but in western shelter the cloud could be more broken at times.

Visibility: Visibility will be poor or very poor in outbreaks of rain and sleet, extensive in eastern exposure from 300m to the summits, but in western shelter the cloud could be more broken at times giving better visibility.

Temperature: **Valleys:** Plus 1 rising to 6 Celsius.
At 600m: Plus 2 Celsius falling to minus 1 Celsius later.
Freezing level: Mostly above summits, but closer to summits in the north.